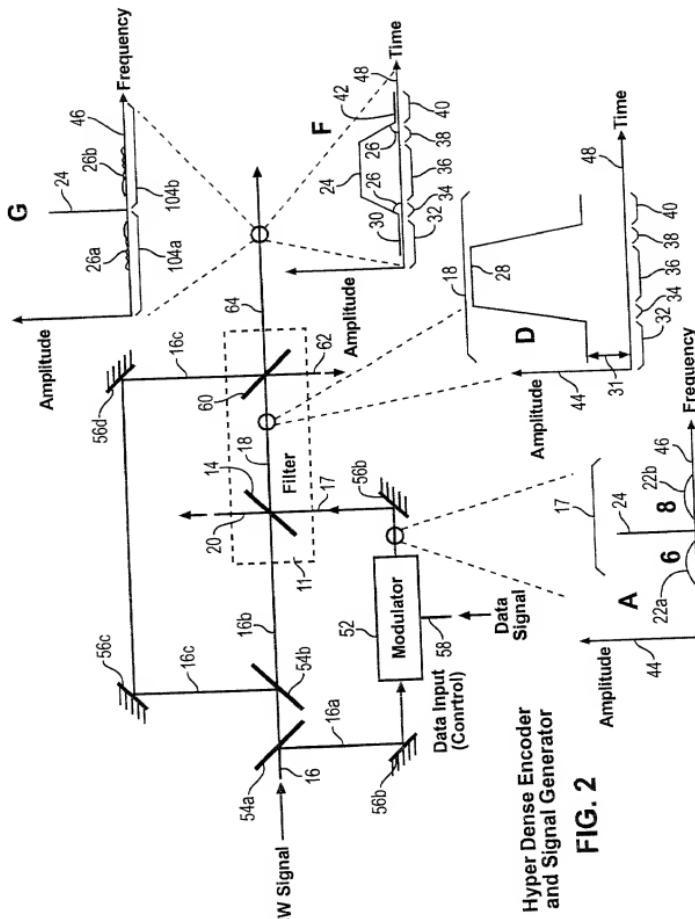
**FIG. 1**



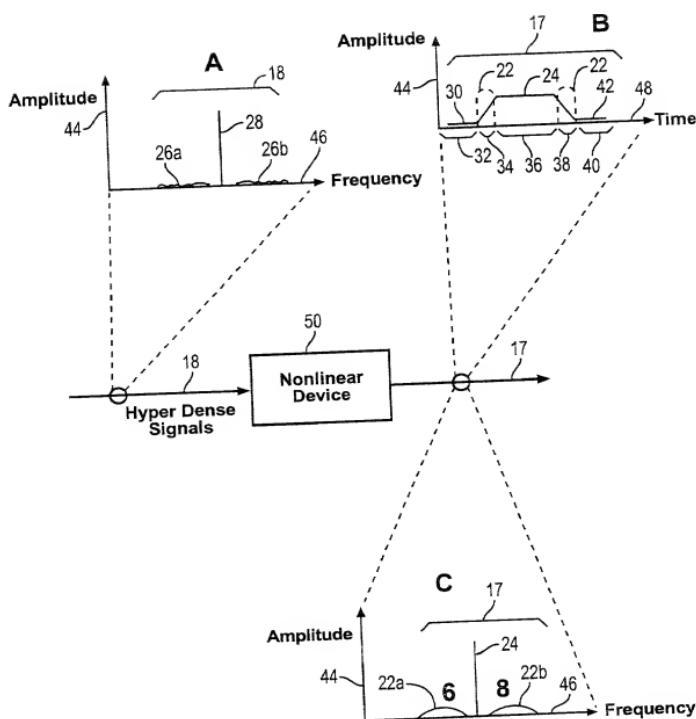


FIG. 3

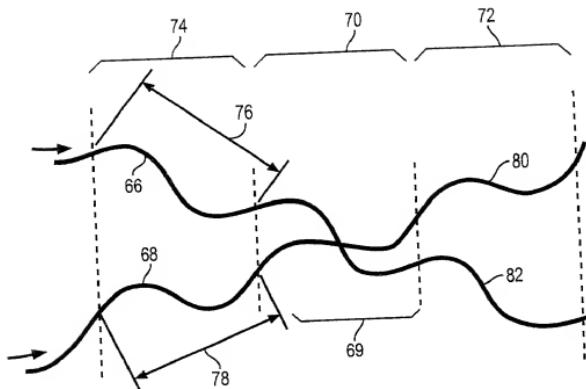


FIG. 4

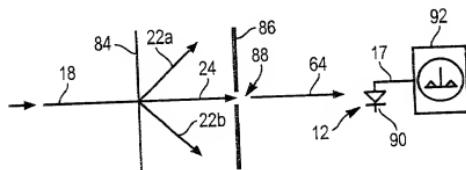
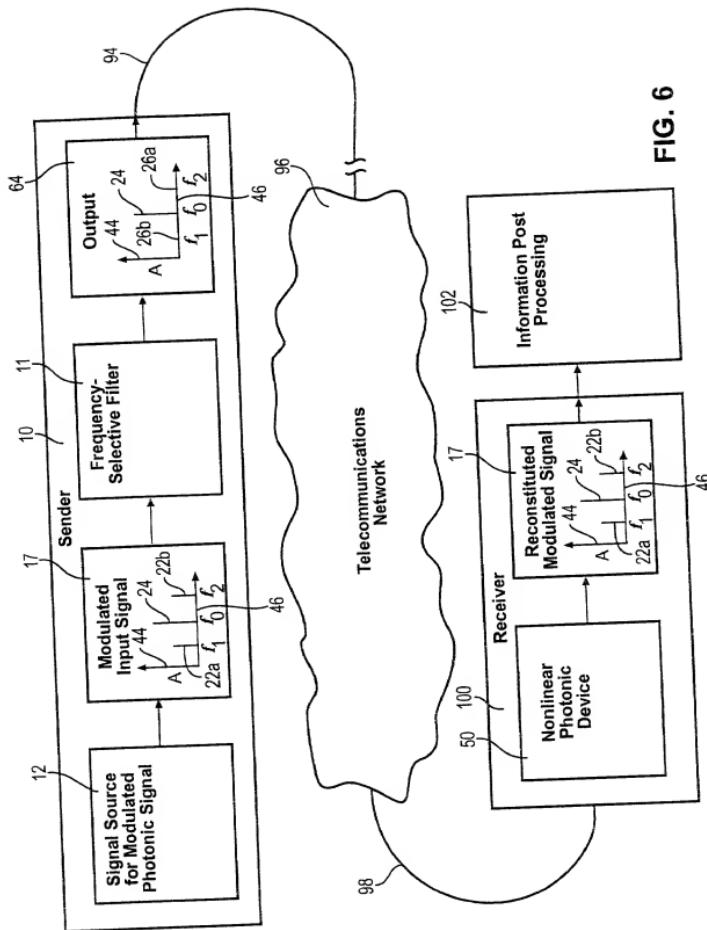
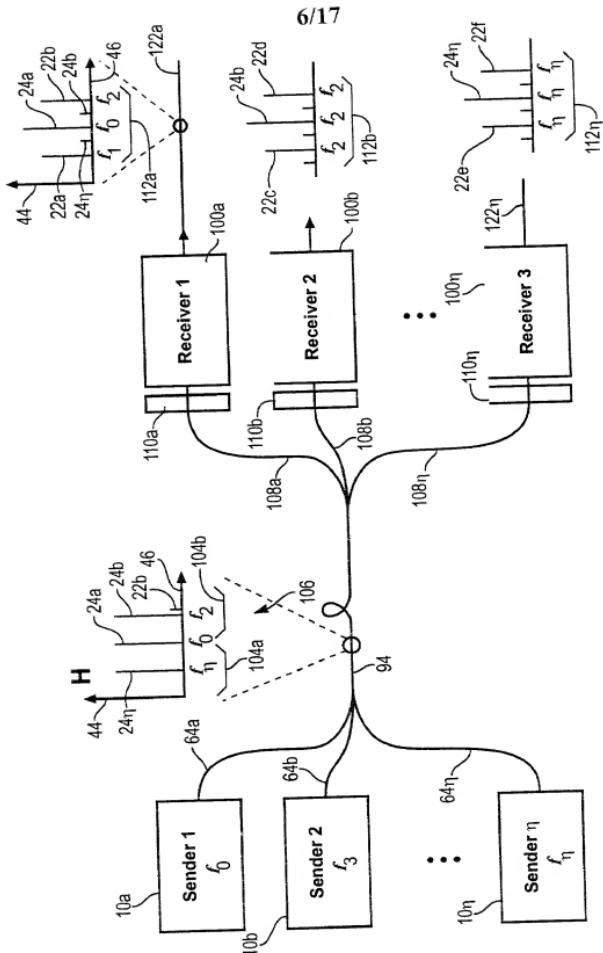


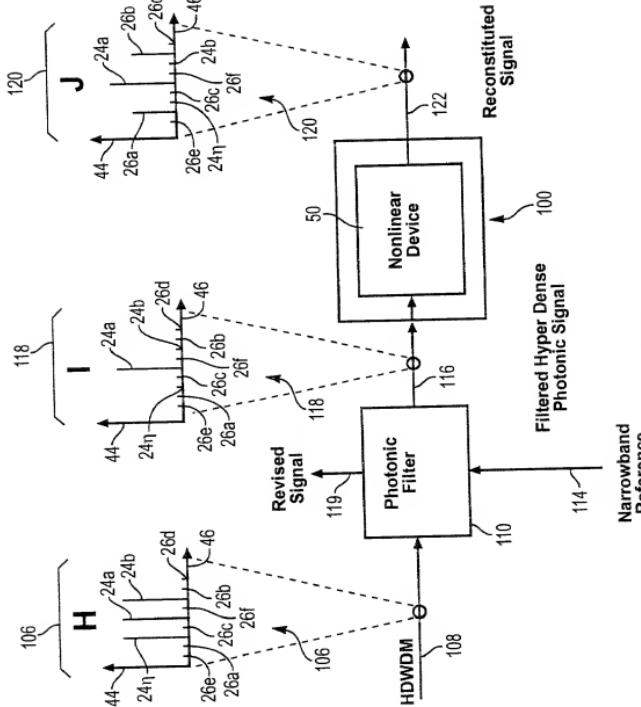
FIG. 5



**FIG. 7**

Hyper Dense Wave Division Multiplexing





**Hyper Dense Wave Division Demultiplexor (HDWDDM)  
Using Drop-Filter Band Selection**

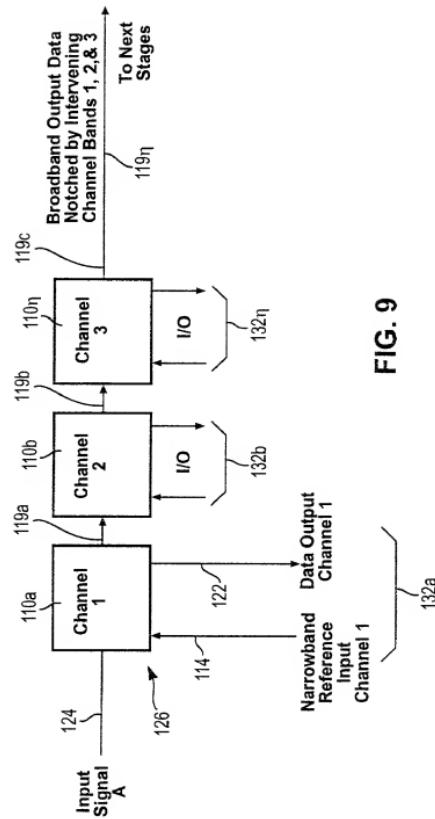


FIG. 9

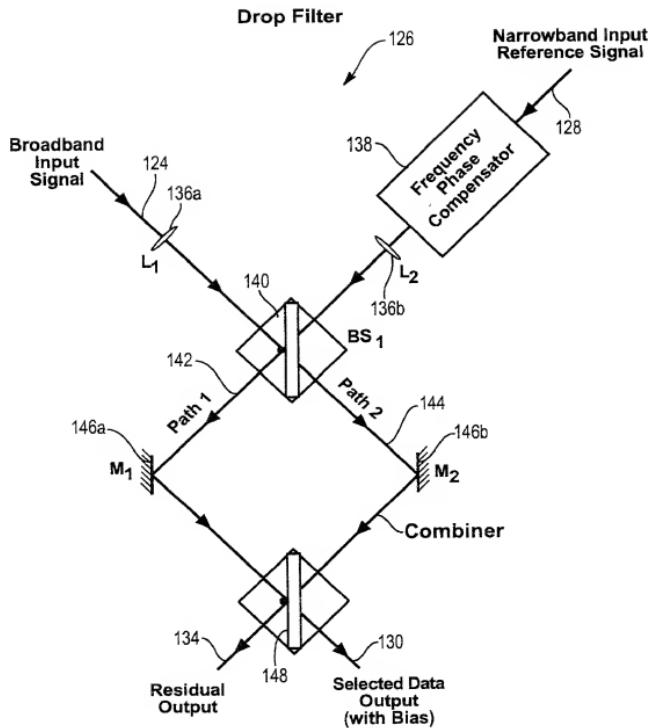


FIG. 10

**Super Hyper Wave Division Demultiplexor (HDWDDM)  
Using Drop Filter Band Selection**

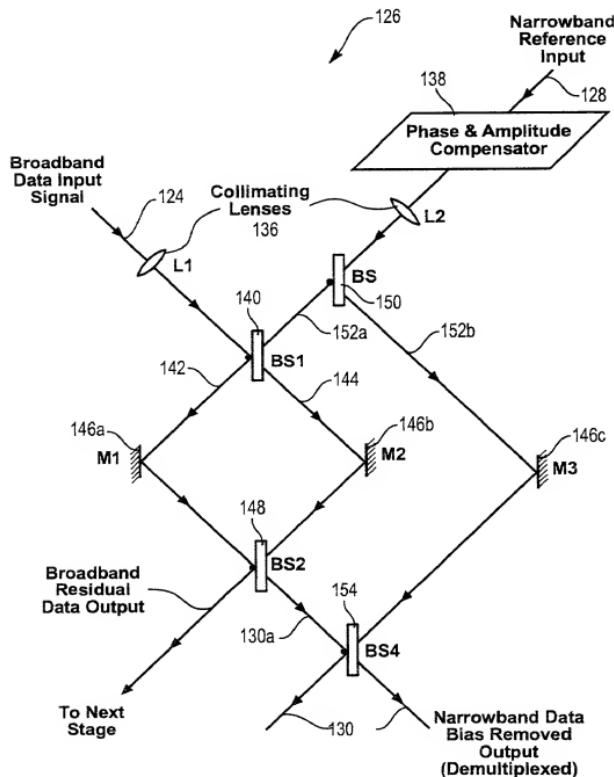


FIG. 11

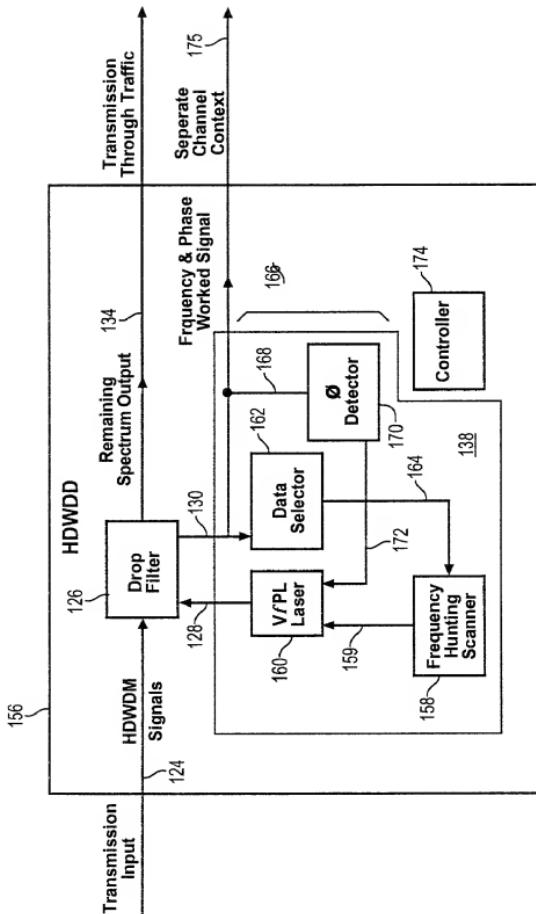


FIG. 12

Hyper Dense Channel Separator

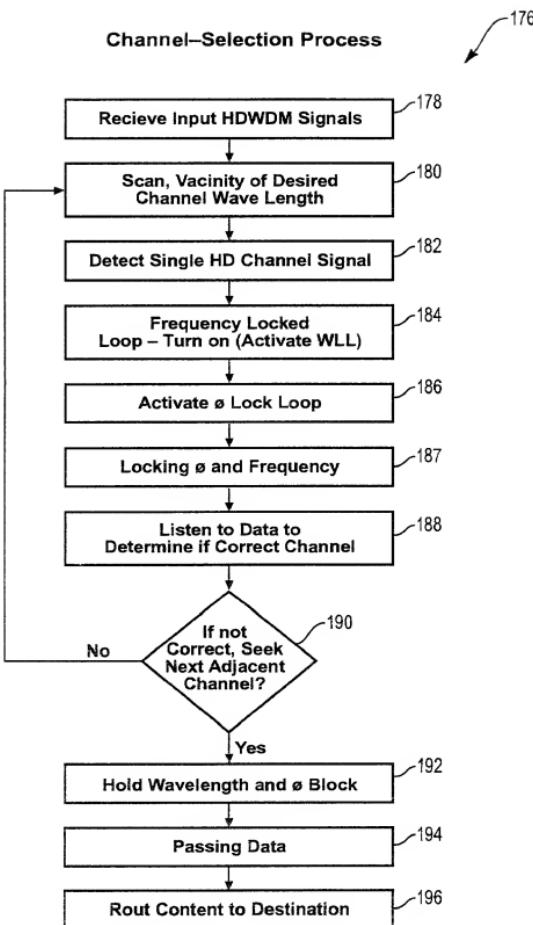
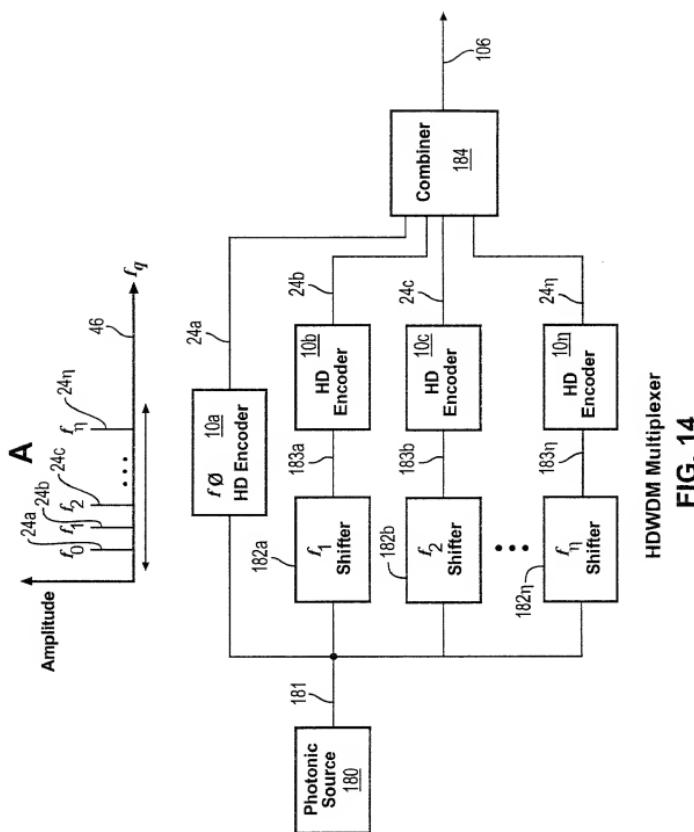
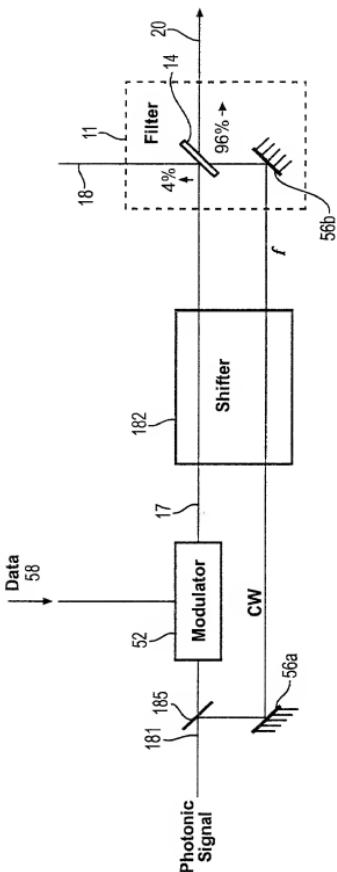


FIG. 13





Hyper Dense Frequency Shifted Signals

FIG. 15

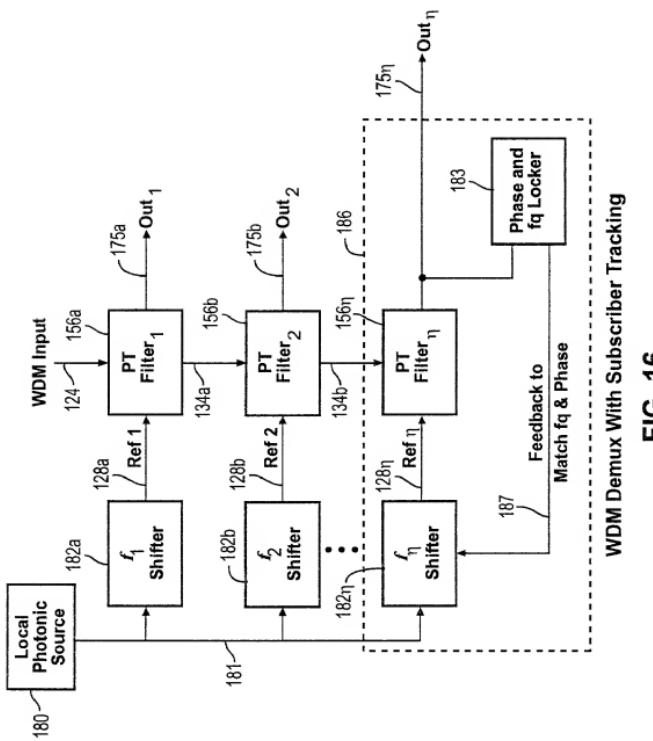
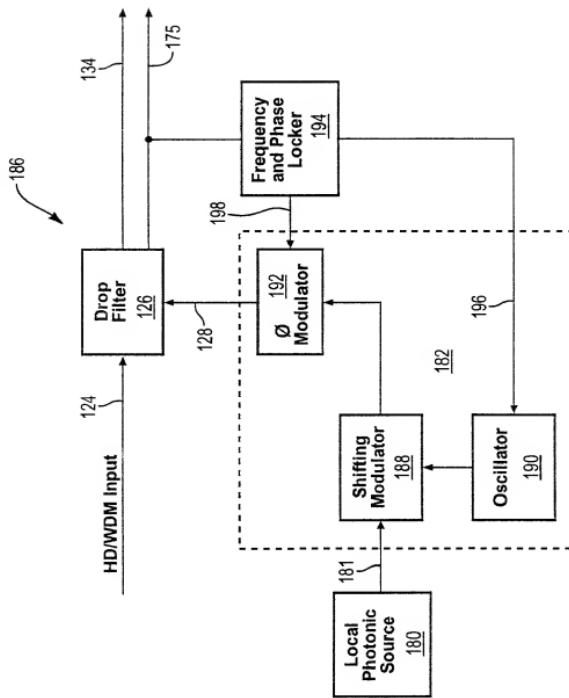


FIG. 16

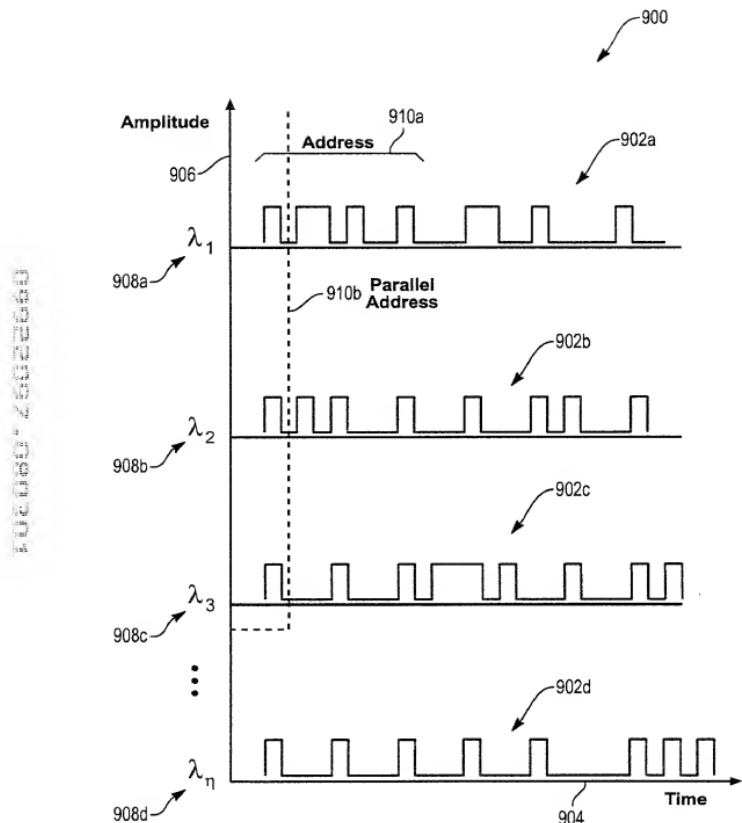
**WDM Demux With Subscriber Tracking**



Channel Separation Assembly

FIG. 17

17/17



Multi-Wavelengths Packet

FIG. 18